

Topsoil Requirements

Permanent and Temporary Seeding-Loosen compacted soils to a depth of 4 inches. If rainfall causes the surface to become sealed or crusted, loosen it just prior to seeding. Slopes steeper than 33 percent (3:1) grade should be grooved or furrowed on the contour before seeding. A good seedbed is well pulverized, loose, and uniform.

Permanent Seeding-A minimum of 4 inches of loose topsoil should be spread on areas to be seeded.

Lime Requirements

Permanent and Temporary Seeding-Lime should be applied according to soil test recommendations. If the pH of the soil is unknown, lime shall be incorporated into the top 4 inches of soil at the rate of 1500 pounds effective neutralizing material (ENM) per acre. Soils with a pH of six or higher need not be limed.

Fertilizer Requirements

Permanent Seeding-Fertilizer should be applied based on soil tests. When these are not possible, a 13-13-13 grade fertilizer shall be incorporated into the top 4 inches of soil at the rate of 500 pounds per acre.

Temporary Seeding-Fertilizer should be applied based on soil tests. When these are not possible, a 10-10-10 grade fertilizer shall be incorporated into the top 4 inches of soil at the rate of 200 pounds per acre.

Seed Requirements

Permanent Seeding-Seed mix shall consist of ninety percent (90%) tall fescue and ten percent (10%) annual ryegrass. Seed mixture shall be applied at a rate of 400 pounds per acre.

Temporary Seeding-Seed mix shall consist of any combination of tall fescue, annual ryegrass, sudan, millet, wheat, or oats. Seed mixture shall be applied at a rate of 200 pounds per acre.

Dormant Season Seeding-Seed mix shall consist of 80 percent (80%) tall fescue, ten percent (10%) annual ryegrass, and ten percent (10%) spring oats. Seed mixture shall be applied at a rate of 600 pounds per acre.

Mulch Requirements

Permanent and Temporary Seeding-Where slopes are less than 25 percent (4:1) grade, cereal grain mulch is required at the rate of 100 pounds per 1,000 square feet (4,500 lbs/acre). Cereal grain mulch shall meet the requirements of Section 802 of the Missouri State Specifications for Highway Construction for Type 1 mulch. Where slopes are 25 percent (4:1) or greater grade, Type 3 mulch ("hydromulch") meeting the requirements of Section 802 of the State specifications

Dates For Seeding

Permanent Seeding-March 1 to June 1 and August 15 to November 1

Temporary Seeding-Can occur during any season, however winter is the least tolerant.

Dormant Season Seeding-December 15 to February 29

City of Springfield, Missouri



Department of Public Works
Storm Water Services Division

VEGETATION REQUIREMENTS CHART

Figure: EC-7
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